instruction manual

TEN YARD FIGHT '85"

SAVAGE BEE'S

- FROM ANOTHER PLANET

MEMERICO INC. 2350 BRICKVALE DR. ELECROVE VILLAGE, IL. 60007 312-595-2028

Reserved about

We hope you will be pleased with your purchase of Demetrons first till tills. From your purchase of Demetrons first till tills. From our information we have gathered from our extension field besting, we are confident that, once you place these games on location you will be excluded by the player response as we are that your investment on a linematican product will give you a solid return on your hard—carace dollars.

inametron is committed to provide the coin op industry with innovative price compative equipment. Demotron currently markety products designed for the areades, wall bosses for music operations and expects to continue to license other new products in the near future.

Sincercelly.

Joe Kamingow Director of Marketing Memetron inc.

VIDEO GAME OPERATOR:

Don't Get Involved In A Federal Crime. Don't Buy Or Operate Copy Or Unauthorized Boards In Your Games.





Every operator who bury or operates a constarjets or unauthorized bound (imported in disnectic) is contributing to the end of our industriand committing a FIGURAL CRIME.

New criminal law have recently been ensemd that provide for maximum populities of \$250,000 or for years in prison or both, per offense, UACH GAME IS A SEPARATE OFFENSE.





If you have any injurvation about any unauthorized games in the United States, contact your local PBI or,

American Antusement Mochanic Association

205 The Strand Sune 3 Alexandria, Virginia 22314 (703) 548-8044

All information will be treated in confidence.

IMPORTANT F.C.C WARNING

This Lit is intended for use only on coin operated video games manufactured after October 1, 1983, which have been verified for compliance with the requirements in Part 15 of PCC rule for class A computing device. Improper connection of this kit or connection to any other coin operated video game not so manufactured or verified for compliance may cause unacceptable interference to radio and to reception requiring the operator to make necessary to correct the interference. Memetron Inc., takes no responsibility for kits improperly connected and those connected to games for which use is not intended."

CEPITION & POTTICES

WARNING

For safety and reliability. Memetron does not recommend or authorize any substitute parts or modifications of Memetron equipment.

Use of non-Memetron parts and modifications of game circuitry may adversely affect game performance.

Substitute parts or equipment modifications may void FCC type-acceptance.

Since this game is protected by Federal copyright trademark and patent laws, unauthorized game-conversions may be illegal under Federal Law.

This conversion principle also applies to unauthorized facinates of Memetron equipment, logos, designs, publications, assemblies and games (or features not deemed to be in the public domain), whether manufactured with Memetron components or not.

Warning

Three-Wire Plug. This game must be plugged into a properly-grounded outlet to prevent shock hazard and to assure proper game operation. Do Not use a "cheater" plug to defeat the ground pin on the power cord, and do not cut off the ground pin.

MOTICE

Parts salvaged from your old game are required to complete your kit.

These salvaged parts MUST operate perfectly, or the converted game cannot perform properly of safely. Always repair circutboard malfunctions and cabinet damage before conversion is attempted

HOTICE

This kit is not intended for use with X-T moniters. Suitable moniters are the horizontal or verticle raster-type with inputs for red, green and blue video as well as negative sync. (These inputs should be compatiable with TTI logic levels.) Note: Savage Bees uses a verticle moniter, Ten Yard Fight'85 uses a horizontal moniter.

NOTICE

Be sure the power supply from your old game is capable of .5VDC, +5VDC at 6A and .12VDC at 1A. These operating voltages are necessary for your Kit.

NOTICE

SAVAGE BEES & TEN YARD FIGHT '85' are registered trademarks of Memetron Inc., 1985.

NOTICE

Please make sure you clean and lubricate your old coin mechanisms. It is important that you service them in order for this game to earn the maximum projected earnings.

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(4)

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		27,775	(1)

[] CPU Board	(4)
Il Joystick(s)	(S2,T1)
1) Control-panel overlay	(1)
Il Marquee overlay	(1)
Il Side Graphics	(2)
Il Wiring harness	(1)
[] Instructions	(1)
1) Play instructions	(1)
[] FCC sticker	(1)
[] Misc. control strickers	(NA)
[] Mounting screws	(4)
[] Drilling template	(1)
[] loystick star	(S2,T1)

TOOKS GOD SUPPLIES REQUIRED

[] Electric screwdriver

[] Promotional sticker

[] PCB Mounting blocks

- [] Wire Cutters
- [] Electric drill
- [] Soldering form & solder
- [Pliers
- [] Phillips screwdriver
- [] Hex driver
- [] 180-grit sandpaper (sander)
- || Navy blue, semi-gloss later paint
- Grease pencil or marker

After the control panel is securety on, with an exacto knife or razor blade carefully cut out holes on the control panel. Next stick the joystick stars and button stickers on the control panel Replace your buttons on the control panel and tighten them down. Return the control panel to the game for the next step in the kit process.

NOTICE

Refer to the decal layout sheet for more information on graphics position.

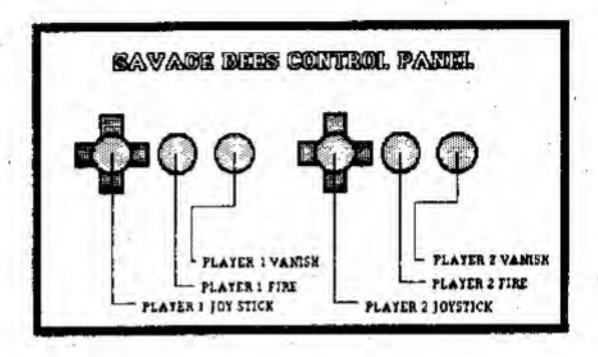
Refer to the control panel template for control layout suggestions.

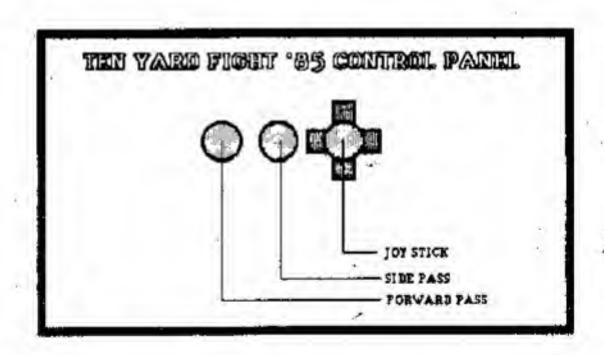
If the control panel that you are going to use is wood and is too thick for use with the enclosed button holders, than remove the switches from the holders and shim them with spacers.

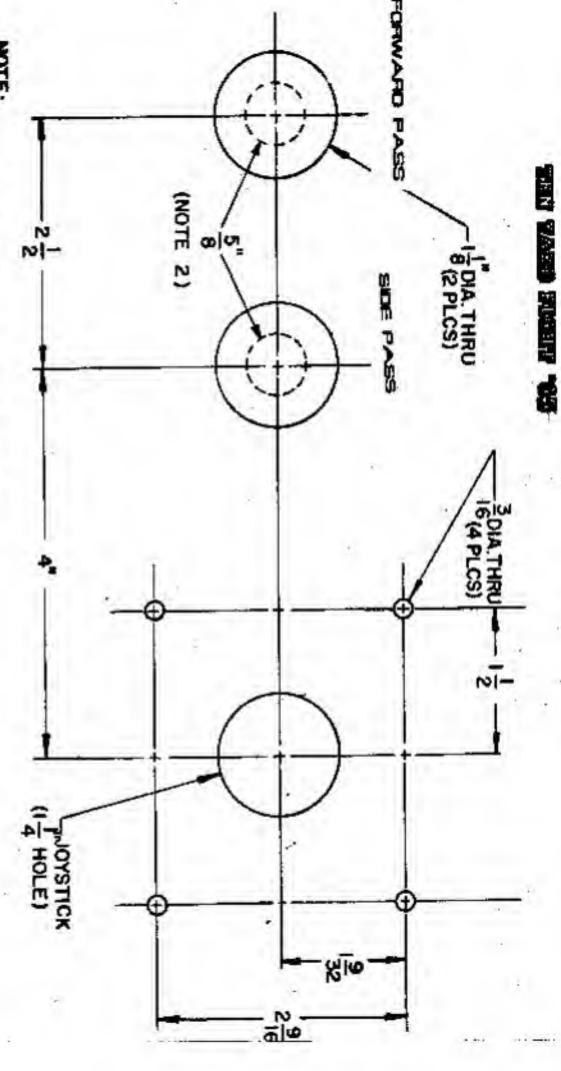
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- [] Disconnect the old wiring harness from the CPU board. Using the schematic drawings from your old game, carefully note the function of each wire. Label the wires if this helps
- [] Carefully remove all circutboards and the metal circutboard panel from the game. Leave the transformer chassis and the power supply braid in the game.
- !! Leaving several inches of wire from the old wiring harness at each connector, cut the wires near the game's coin door, moniter, player panel, power supply and speaker. DON'T cut the other side of these same wires (that is at the CPU-board end).
- Following the schematic drawings for your kit, solder the coin-door, moniter, control panel, power-supply and speaker wires to the new CPU-board harness. Using electrical tape, be sure to insulate all splices.
- If your game has series-pass transistors for the power supply on a separate heatsink, remount the metal heatsink beside the power supply board.
- [] Check and clean the input tack on the power-supply board. Replace any burned or damaged pins

THANK YOU FOR THE PURCHASE OF A MEMETRON HIT KIT I



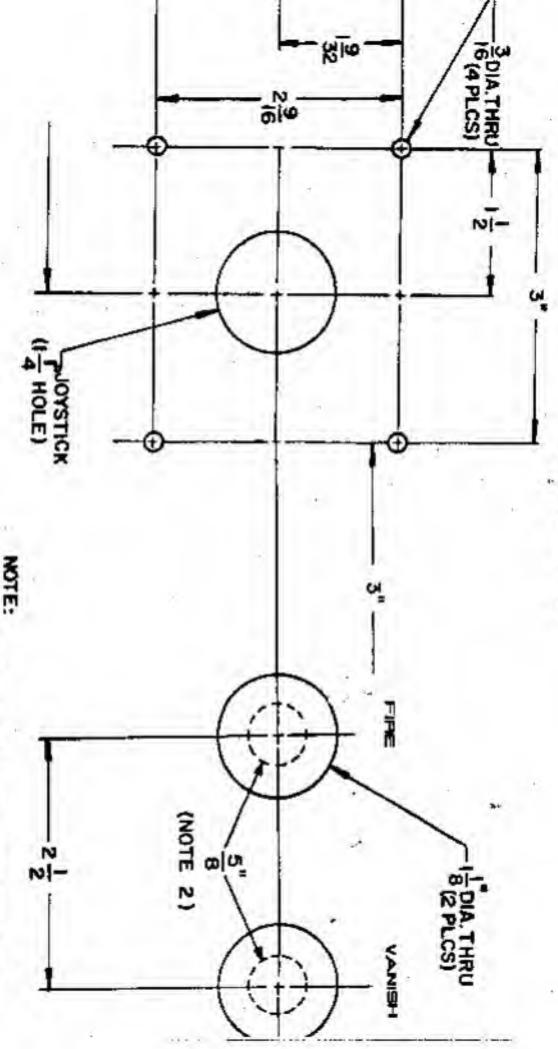




- REFER TO METAL CONTROL PANELS. AND
- FOR WOOD CONTROL PANELS, DRILL HOLE COMPLETELY THROUGH. THEN DRILLI

CONTROL PLATE





CONTROL PLATE

REFER TO METAL CONTROL PANELS.

2. FOR WOOD CONTROL PANELS, DRILL 5/8"
HOLE COMPLETELY THROUGH. THEN DRILL
1-1/8" HOLE TO 5/16" DEPTH.

MAIN HARNESS

IO-YARD FIGHT

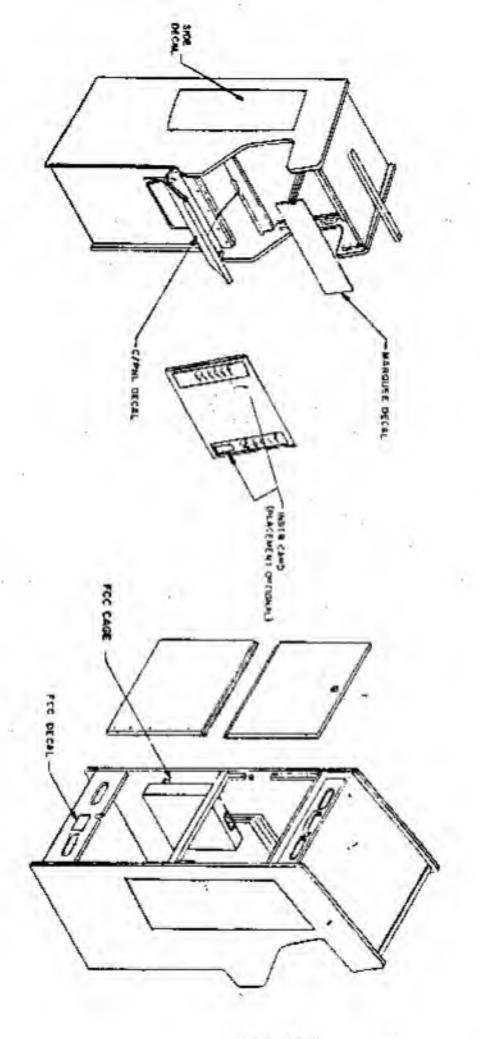
GA.	FUNCTION	WIRE / COLOR	P	IN	WIRE / COLOR	FUNCTION	GA
18	GND	GRN	A	1	• GRN	GND	1.8
18	GND	GRN	8	2		GND N/C	19.0
	The state of the s		c	3		100	
9			D	4	BLK WHT	LEFT COIN CNTR.	2 2
	20 lett	gray	E	5	BRN	JOYSTICK LEFT	22
	2.1 richt	white	F	6	BRN WHT	JOYSTICK RIGHT	2 2
	20 Side ONS	Owe	н	7	BLK	SIDE PASS	22
22	1 PLAYER	GRY	1	8	ORG WHT	2 PLAYER	2 2
22	RIGHT COIN CHTR.	BLU RED	K	9			-
22	NEG. SYNC	THW	ı	10	BLU WHT	COIN SW. RIGHT	2 2
1.8	+12	YEL RED	×	11	YEL RED	+12	1.8
	4.7		N	12			
22	AUDIO +	WHT RED	P	13	VIO	AUDIO-	2 2
2.	Pl For PASS	rel	R	14	WHT BLU	FORWARD PASS	2 2
22	VIDEO GREEN	GREEN	5	15.	RED	VIDEO RED	22
-	100	1-7-32	T	16	BLUE	VIDEO BLUE	2 2
	21 xdw	great	U	17	DIANE	20 0000	- "
22	JOYSTICK DOWN	GRY WHT	٧	18	ORG	JOYSTICK UP	2 2
22	COIN SW. LEFT	RED WHT	W	19	YEL RED	SERVICE SW.	2 2
18	+5	RED	X	20	RED	+5	18
• • • •	7		Y	21	1 22 34		
18	GND	GRN	Z	22	GRN	GNO	1 8

COMPONENT SIDE

SAVAGE BEES KIT MAIN CABLE

				MAIN	LABLE				
GA.	COLOR	FUNC	NOIT	PIN	₽IN	FUN	CTION	COLOR	GA
18	GRN	GNI	D	A	1	● GND		GRN	18
18	GRN	GN		8	2	G	ND	GRN	18
18	RED	+5		С	3	1	-5	RED	18
18	RED	+5		D	4		-5	RED	18
22	GREEN	VIDE	_	E	5		EO	RED	22
22	WHT	NEG ST		F	6		DEO	BLUE	22
18	GRN	GN		н	7	G	ND	GRN	18
		Hillin	HIIII	1	8	111111111111111111111111111111111111111			
22	ORG	viiiiiir	SHOT 2	K	9	SHOT 2	(ORG	22
22	YEL RED		SHOT 1	t	10	SHOT 1		YEL RED	22
22	GRY	2 PLAYER -	UP 1	м	11	UPI	-1 PLAYER	GRY	22
22	VIO	- Aratan	DOWN 1	N	12	DOWN 1		VIO	22
22	ORG WHT		LEFT 1	Р	13	LEFT 1		ORG WHT	22
22	BLU WHT		RIGHT 1	R	14	RIGHT 1/		BLU WHT	22
18	GRN	GN	D	5	15	GND		GRN	18
		2 PLA	YER START	1	16	1 PLAYER S	TART	WHT RED	22
22	GRY WHT	SERV	ICE .	U	17				4
22	WHT BLU	COIN	2	٧	18	COIN	1	RED WHT	22
16	GRN	GN	D	W	19	GI	40	GRN	. 18
				X	20			Light (New)	
				Y	21	11.3			
22	BLK	+12 CO	MON	Z	22	+12 CO	MMON	BLK	22
22	WHT	CNTR 1	Constant	а	23	CNTR	1	GRN	22
22	BLU	SPKR	-	ь	24	SPKR -	+	RED	22
18	YEL RED	+12		С	25	. +1:	2	YEL RED	18
22	BRN	+12 G	ND	d	26	+12 G	ND	BRN	22
18	GRN	GNE)	е	27	, GN	D	GRN	18
18	GRN	GND		•	28	GN	D	GRN	18

COMPONENT SIDE



"10-YARD FIGHT" DIP SWITCH ADJUSTMENTS

DIP SWITCH 1

0	PTIONS		SWITCHES	1	2	3	4	5	6	7	8
_	MER		NORMAL			OFF	DFF				
SI	PEED		X 1.3			ON	OFF	1			
B	ETWEEN		X 1.5			OFF	ON	1			
Pl	LAYS		X1.8			NO	ON				
		88	I COIN/I PLAY					OFF	OFF		
	MODE 2	SELECT	2 COINS:1 PLAY	Ī	1 1			ON	OFF		
	MER PEED TWEEN AYS	g	3 COINS/1 PLAY			ļ		OFF	ON		
	the second secon	TOR A	FREE PLAY					ON	DN		
			1 COIN/2 PLAYS							OFF	DFF
- 1	ON	SELEC	1 COIN/3 PLAYS							ON	OFF
		5	1 COINIS PLAYS	1						OFF	ON
		R	1 COIN/6 PLAYS							ON	ON
SIN		-	1 COIN/1 PLAY		1000			OFF	OFF	OFF	OFF
2			2 COINS:1 PLAY	1	OFF			ON	DFF	DFF	DFF
ACKOM.	MODE 1		3 COINS/1 PLAY	-				OFF	DN	OFF	OFF
7	DIP SWITCH 2		4 COINS/1 PLAY	1				ON	ON	OFF	OFF
SEE			5 COINS/1 PLAY	1				DFF	DFF	ON	OFF
공	DFF		6 COINS/1 PLAY					ON	OFF	ON	OFF
NOTE			1 COIN/2 PLAYS	1				OFF	DFF	OFF	ON
			I COIN/3 PLAYS		l.			0#	OFF	OFF	ON
1			1 COIN 4 PLAYS					OFF	ON	OFF	QN
7			1 COIN 5 PLAYS	1				ON	ON	OFF	ON
		_	1 COIN/6 PLAYS				-	OFF	OFF	ON	ON
1			FREE PLAY	16, 1				άN	ON	ON	ON
1	CONTINUES OF	Ad.	YES	ON	OFF OFF ON OFF ON ON ON OFF ON ON OFF		-				
ı	CONTINUED PI	W	NO	OFF							

Notel

Set for Coin Mode 1 in case a single coin-selector or two selectors of the same coin value are used. Set for Coin Mode 2 in case two coin-selectors of different coin values are used.

DIP SWITCH 2

OPTIONS	SWITCHES	1	2	3	4	5	6	7	8
	PLAYER 2	OFF			-				1
SCREEN INVERSION	PLAYER 1	ON]		
CABINET TYPE	11	152.4	OFF						
CADINELLIFE	UPRIGHT		ON						
COIN MODE	MODE 1			OFF	AL-	611	AL-		
COIN MODE	MGDE 2			ON	WAYS		WAYS		
	NORMAL			-	OFF	OFF	OFF		
FREEZE PICTURE	FREEZE					QN	01.		14.
HIT MODE	NORMAL							OFF	
OIL MODE	NO HIT							ON.	_
TEST MODE	NORMAL								OFF
i car mere	TEST	100							ON

NOTE! Press 2P. start button to freeze picture. Press 1P. start button to let it move again.

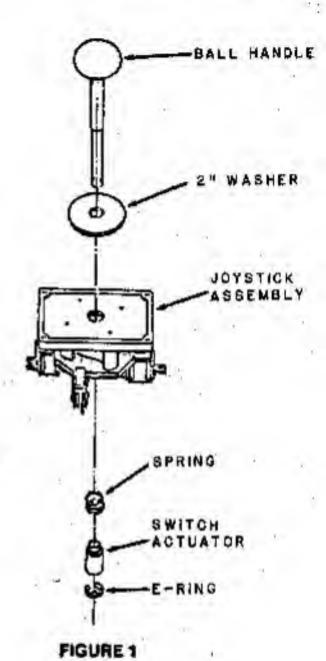
ITEM	DESCRIPTION	1	2	3	4	5	6	7	a
TEST	MORMAL TEST	OFF ON							
PORTBALT STOP	NORMAL STOP		OFF*						
JAPAN FOREIGN	JAPANESE LANGUAGE ENGLISH LANGUAGE			OFF ON					
1P/2P PLAY FRE	1P/1 COIN, 2P/2 COINS COMMON FEE				ON .				
NUMBER	3					OFF	OFF	170	
OF PLAYER	1 2 5		-			OFF ON ON	CIAL. CIAL.		
BONUS	50T-100T-250T-500T-750T							OFF	OFF
PLAYER .	1007-2507-5007-7507-10007 1007-2507-5007-10007-20007 2007-5007-10007-20007		141					OFF ON	ON
DIP SW U	To THOUSAND								
MALI	DESCRIPTION	1	2	3	4	5	6	7	8
DEMO	WITH SOUND WITHOUT SOUND	OFF							
MODE	DISCONTINUE		OFF	3 9					
COIN R	1 CREDIT - 1 COIN 2 CREDIT - 1 COIN 3 CREDIT - 1 COIN 4 CREDIT - 1 COIN 5 CREDIT - 1 COIN 1 CREDIT - 2 COINS 1 CREDIT - 3 COINS 1 CREDIT - 4 COINS			OFF OFF OFF OFF ON ON ON	OFF ON ON OFF ON ON ON	OFF ON OFF ON OFF ON OFF			
		1	-				SAME		

JOYSTICK ASSEMBLY

- Refer to FIG. 1 before starting installation.
- For normal replacement of Ball Handle, Spring and/or Switch Actuator, disregard steps 3, 4, and 5 below.

INSTALLATION INSTRUCTIONS

- From inside of game, remove E-ring from Ball Handle Shaft.
- Pull Ball Handle out of Joystick Assembly and remove Switch Actuator and Spring from inside of game.
- Remove Joystick Assembly from Control Panel of game.
- 4. Replace 2" washer.
- Fasten Joystick Assembly to Control Panel of game.
- Insert new Ball Handle through Control Panel and Joystick Assembly.
- From inside the game, push Spring and appropriate Switch Actuator over end of Ball Handle Shaft and secure with E-ring.



SORRY WERE OUT OF STOCK I

MEMETRON HAS TEMPORARILY RUN OUT OF FCC CAGES OUR PARTS DEPARTMENT WILL SHIP AN FCC CAGE TO YOU UPON RECIPT OF THE ATTACHED FORM. THEY WILL BE IN STOCK AS OF JUNE 10, 1985. WE ARE SORRY FOR ANY INCONVENIENCE WE MAY HAVE CAUSED YOU.

TO RECEIVE YOUR FCC CAGE PLEASE MAIL THE FOLLOWING FORM TO: MEMETRON INC.

2350 BRICKVALE DRIVE ELK GROVE VILLAGE, IL 60007 312-595-2828

COMPAN	NAM	E)
YOUR NA	ME	2		
ADDRESS				
PHONE	()	1.5	
KIT NAM	E		PCB SERIA	L*

NOTICE: PLEASE DO NOT USE POST OFFICE BOX NUMBERS

THANK YOU I

ASK ABOUT OUR HOT NEW GAME THATS JUST RIGHT FOR THE SUMMER TIME

UNDER EXCLUSIVE LICENSE TO MEMETRON INC. FROM IREM INC.

VS 10 YARD FIGHT AMENDMENT WIRING

GA.	FUNCTION	MIRE / COLOR	P	IN	WIRE / COLOR	FUNCTION	GA
18	OND	GRN	1	IA	O ORN	GND	118
18	GND	GRN	2	B		GND N/C	
100		2.6	3	C			
	No. of Concession, Name of Street, or other party of the last of t	1710	4	0	BLK WHT	LEFT.COIN CHTR.	22
1	- 2 PLAYER LT	-	5	E	SRN	JOYSTICK LEFT	22
	" 2 PLAYER RT		6	F	BRN WHT	JOYSTICK RIGHT	2 2
	* 2 PL SIDE PASS		7	H	BLK	SIDE PASS	32
22	1 PLAYER	GRY	8	1	ORG WHT	2 PLAYER	22
72	RIGHT COIN CHTR.	BLU RED	9	K	ACCOUNT OF THE		
22	NEG. SYNC	WHT	10	1	BLU WHT	COIN SW. RIGHT	22
18	+12	YEL RED	11	M	YEL RED	+12	18
4			12	N	19		
22	AUDIO +	WHTRED	13		VIO	AUDIO -	22
ALC:	* 2 PL FOR PASS		14		WHY BLU	FORWARD PASS	2 2
22	VIDEO GREEN	GREEN	15	5	RED	VIDEO RED	22
	N. ST. ST.	W. St	16		BLUE	VIDEO BLUE	22
1 1	* 2 PLAYER DN	13000	17	U	717	2 PLAYER UP	
22	JOYSTICK DOWN	GRY WHT	18	V	ORG	JOYSTICK UP	21
22	COIN SW. LEFT	RED WHT	19	W	YEL RED .	SERVICE SW.	22
18	+5	RED	20	X	RED	+5	1.
(Se)	Harris Williams		21	Y			
18	GND	GRN	22	Z	GRN	GHO	10

COMPONENT SIDE

* NOTE: THESE CABLES MUST BE ADDED TO THE CONNECTOR FOR THE VS. SOFTWARE VERSION.